Today	Next Class
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Reactions of Carboxylic Acids and Carboxylic	,
Acid Derivatives	

Reactions of Carboxylic Acids and Carboxylic Acid Derivatives

Sections 15.4 -15.9

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Reaction of Amides, Nitriles, and Acid Anhydrides Sections 15.10 – 15.16

## **Second Class from Today**

Third Class from Today

Aldehyde and Ketone Nomenclature Section 16.1

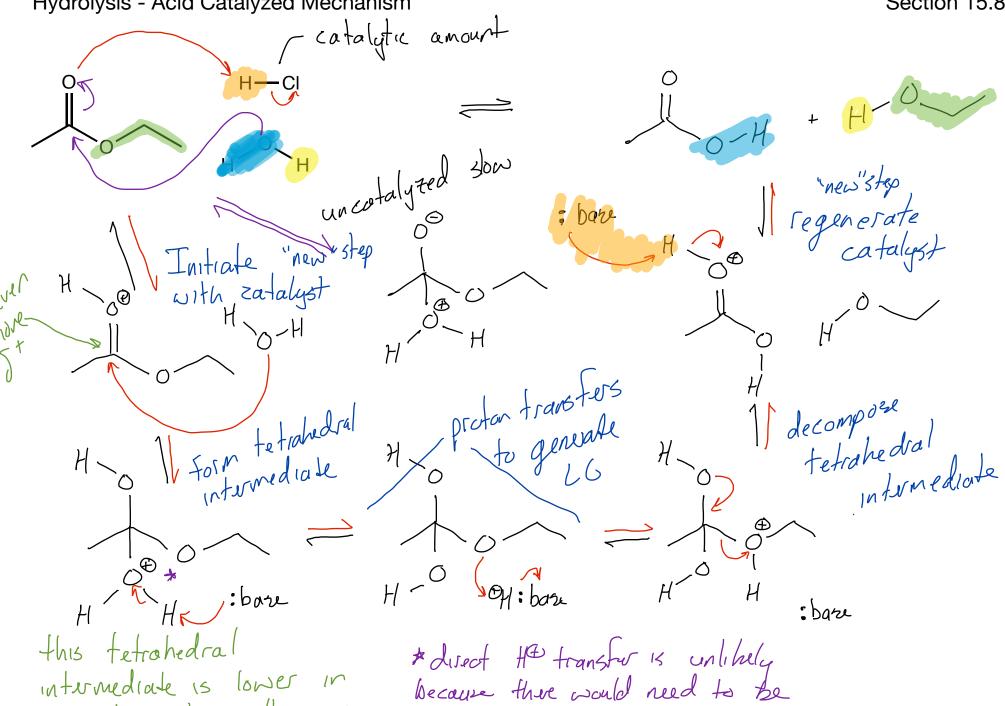
Aldehyde and Ketone Nomenclature Section 16.1

Relative Reactivities Section 16.2 Relative Reactivities Section 16.2

How Aldehydes and Ketones React Section 16.3

Reactions with Carbon Nucleophiles Section 16.4

It is not Zvitterionic



4-membered rug

Hydrolysis - Competing Mechanisms? this 15 a HO 66 protic

Section 15.8 10 x-2 Det good LG JNZ needs a very good nucleophile Sur préfers aprotic solvents conditions de not favor SNZ chemistry, so auclegantre acyl substitution both SNI + nucleophilic acyl
substitution can run simultaneously

Hydrolysis - Base Promoted Mechanism

weakly nucleophilic ethonal Section 15.9
Is repelled by & on zarboxglate

Not as C=0 C 15 e rich more e rich C=0 C 15 less not as good e Cectrophilic a nucleophile as HOO

Speed up reaction by using a better nucleaphile instead of making the coo more reactive

## Hydrolysis

## Transesterification

## Aminolysis

$$R$$
 $O$ 
 $R$ 
 $H$ 
 $O$ 
 $R$ 
 $H$